Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/05/2016 11:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123135	-2	4.04	122972	3.96
Blue	F	SSC	125000	124004	-1	3.56	124230	3.41
Blue	E	FITC	22946	22302	-3	2.52	994	10.03
Blue	D	PE	28770	28187	-3	2.06	1011	9.28
Blue	B	PerCP-Cy5-5	51099	50311	-2	3.48	1444	16.52
Blue	A	PE-Cy7	42312	41645	-2	5.12	648	34.35
Red	C	APC	52169	51274	-2	2.93	2943	9.34
Red	A	APC-Cy7	56705	55250	-3	2.97	1155	11.08
Violet	B	V450	14708	13957	-6	4.50	669	11.14
Violet	A	V500	58608	56873	-3	4.18	2530	7.25

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16996	23.31	599	1	N/A	N/A	Pass
Blue	F	SSC	61376	1.51	531	13	N/A	N/A	Pass
Blue	E	FITC	109	37.51	535	4	0.0216	89	Pass
Blue	D	PE	221	27.36	532	6	0.1796	230	Pass
Blue	B	PerCP-Cy5-5	229	43.46	628	6	0.0107	96	Pass
Blue	A	PE-Cy7	69	117.49	676	5	0.0127	18	Pass
Red	C	APC	345	26.69	592	2	0.0212	42	Pass
Red	A	APC-Cy7	127	40.07	575	-1	0.0058	1820	Pass
Violet	B	V450	81	64.40	467	8	0.0421	5464	Pass
Violet	A	V500	182	40.92	497	9	0.0132	5793	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/05/2016 11:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.25	-30.95	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	16.21	13.27 - 19.91	N/A	N/A	31.28	31.63	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9512

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments